

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A system for reading an optical code and verifying the read optical code comprising:
an imaging engine having an array of image sensors for sensing an image of an object and an optical code associated with the object and generating respective object image data and optical code image data;
a database storing a plurality of digital codes and an object image data entry associated with respective digital codes of the plurality of digital codes, wherein the object image data entry associated with a digital code of the plurality of digital codes represents at least one image of an object that is assigned the digital code; and
a processing unit for receiving the object image data and the optical code image data from the imaging engine, said processing unit comprising:
a code generation software module using one decoding method for generating one set of at least one digital code that corresponds to the optical code image data;
a database query module for accessing at least one object image data entry stored in the database associated with at least one respective stored digital code that substantially matches the respective one set of at least one generated digital code; and
a comparator module for comparing the generated object image data with the at least one accessed object image data entry.

2. (original) The system according to Claim 1, wherein the optical code image data is extracted from the object image data.
3. (original) The system according to Claim 1, wherein the imaging engine images the optical code during a first imaging operation and generates the optical code image data and images the object during a second imaging operation and generates the object image data.
4. (original) The system according to Claim 1, wherein the stored object image data entry associated with a digital code of the plurality of stored digital codes includes non-image data indicative of at least one characteristic of the object assigned the digital code.
5. (original) The system according to Claim 1, wherein the stored object image data entry associated with a digital code of the plurality of stored digital codes includes data extracted from an image of the object assigned the digital code.
6. (original) The system according to Claim 1, wherein the stored object image data entry associated with a digital code of the plurality of stored digital codes includes a plurality of image sub-entries; and
respective image data sub-entries correspond to different views of the object assigned the digital code.

7. (original) The system according to Claim 1, wherein the processing unit further comprises a face determination module for determining data of the generated object image data corresponding to at least one face of the object imaged by the imaging engine.

8. (original) The system according to Claim 1, wherein the processing unit further comprises a data extraction module for extracting data from the generated object image data.

9. (original) The system according to Claim 8, wherein the extracted data is indicative of at least one characteristic of the object imaged by the imaging engine.

10. (currently amended) The system according to Claim 1, wherein the code generation software module includes an optical character recognition (OCR) software module for performing optical character recognition processing on the optical code image data for generation of the one set of at least one digital code.

11. (currently amended) The system according to Claim 1, wherein the code generation software module further generates an estimated accuracy score associated with respective generated digital codes of the one set of at least one digital code.

12. (currently amended) The system according to Claim 10, wherein the generated one set of at least one digital code is includes a textual code.

13. (original) The system according to Claim 1, wherein the comparator module determines if the comparison results are within a predetermined image recognition certainty threshold.

14. (currently amended) A method for verifying an optical code read comprising the steps of:

receiving optical code image data and object image data associated with the optical code read and an object associated with the optical code, respectively;

generating one set of at least one digital code in accordance with the optical code image data using one decoding method;

querying a database for accessing at least one stored object image data entry associated with at least one stored digital code that substantially matches the one set of at least one generated digital code; and

comparing the received object image data with the at least one accessed object image data entry.

15. (currently amended) The method according to Claim 14, wherein the generating step includes the step of performing optical character recognition on the received optical code image data for generating the one set of at least one digital code.

16. (previously presented) The method according to Claim 14, further including the step of generating an estimated accuracy score associated with respective generated digital codes of the at least one digital code.

17. (currently amended) The method according to Claim 14, wherein the generated one set of at least one digital code is includes a textual code.

18. (previously presented) The method according to Claim 14, wherein the at least one accessed object image data entry includes data indicative of at least one characteristic of the object assigned the matching stored digital code; further including the step of extracting from the received object image data, data indicative of at least one characteristic of the object imaged by the imaging engine; and the comparing step includes comparing the data indicative of the at least one characteristic of the respective at least one accessed object image data entry and the received object image data.

19. (original) The method according to Claim 14, further comprising the step of determining if the comparison results are within a predetermined image recognition certainty threshold.

20. (currently amended) A system for image verification of an optical code read comprising:

means for receiving optical code image data and object image data associated with the optical code read and an object associated with the optical code, respectively;

means for generating one set of at least one digital code in accordance with the optical code image data using one decoding method;

means for querying a database for accessing at least one stored object image data entry associated with at least one ~~respective~~ stored digital code that substantially matches the ~~respective~~ one set of at least one generated digital code; and

means for comparing the received object image data with the at least one accessed object image data entry.

21. (previously presented) The system according to Claim 20, wherein the means for generating an estimated accuracy score associated with respective generated digital codes of the at least one digital code.

22. (original) The system according to Claim 20, wherein the means for comparing determines if the comparison results are within a predetermined image recognition certainty threshold.

23. (currently amended) A computer-readable medium storing a series of programmable instructions configured for execution by at least one processor for performing an optical code read verification method comprising the steps of:

receiving optical code image data and object image data associated with the optical code read and an object associated with the optical code, respectively;

generating one set of at least one digital code in accordance with the optical code image data using one decoding method;

querying a database for accessing at least one stored object image data entry associated with at least one ~~respective~~ stored digital code that substantially matches the ~~respective~~ one set of at least one generated digital code; and

comparing the received object image data with the at least one accessed object image data entry.

24. (original) The computer-readable medium according to Claim 23, wherein the method further comprises the step of determining if the comparison results are within a predetermined image recognition certainty threshold.

25. (currently amended) A data signal embodied in a transmission medium for execution by at least one processor for performing an optical code read verification method, the data signal comprising:

a code segment including instructions for receiving optical code image data and object image data associated with the optical code read and an object associated with the optical code, respectively;

a code segment including instructions for generating one set of at least one digital code in accordance with the optical code image data using one decoding method;

a code segment including instructions for querying a database for accessing at least one stored object image data entry associated with at least one ~~respective~~ stored

digital code that substantially matches the ~~respective one set of~~ at least one generated digital code; and

a code segment including instructions for comparing the received object image data with the at least one accessed object image data entry.

26. (previously presented) The data signal according to Claim 25, further comprising a code segment including instructions for determining if the comparison results are within a predetermined image recognition certainty threshold.

27. (cancelled)